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COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

In reply quote No.

EIGHTH FLOOR,
DA COSTA BUILDING,
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FACTORIES

SOUTH AUSTRALIA

YEAR 1961-62

SCOPE This bulletin summarizes information relating to factory operations compiled annually and shows either in total or by class of factory details of : number of factories ; number of persons employed ; salaries and wages paid ; value of land, buildings, plant, and machinery ; value of materials used ; value of power and fuel used ; value of production ; value of output ; capacity of engines used.

DEFINITIONS For the purpose of this collection a factory is defined as an establishment in which four or more persons are employed or where power driven machinery is used in any manufacturing, repairing, or assembling process.

The figures relating to employment include proprietors who work in their own businesses but exclude anyone engaged in selling or distribution.

Value of output is the value of the goods manufactured and includes bounty and subsidy payments and amounts received for repair work and work done on commission; it excludes excise duties and all delivery costs and charges.

Value of production is the value added to raw materials by the process of manufacture and is calculated by deducting from the value of output the value of materials used, power and fuel consumed, tools replaced, containers, and repairs to plant and buildings.

Value of land and buildings and value of plant and machinery include estimated amounts for rented premises and plant.

FACTORY OPERATIONS SUMMARY The number of factories for which details of operations during 1961-62 are included in this bulletin is 5,519, the number for 1960-61 being 5,042. The main reason for this increase is given under "Size of Factories" on page 3.

Average employment in factories during the year decreased from 99,955 in 1960-61 to 99,094 in 1961-62, a decrease of just under 1 per cent.

Employment at 30th June 1962 totalled 102,325. This was 7,307 greater than the total of 95,018 persons employed at 30th June 1961 and 1,718 more than the total employment of 100,607 persons at 30th June 1960.

The value of production rose from £170,062,000 for 1960-61 to £173,914,000 for 1961-62, an increase of 2.3 per cent compared with increases of 4.3 per cent, 16.6 per cent, and 4.9 per cent, for 1960-61, 1959-60, and 1958-59 respectively.

The value of land and buildings increased by 12.0 per cent to £98,297,000 and the value of plant and machinery by 11.9 per cent to £126,503,000.



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TABLE 1 - FACTORY OPERATIONS, INDUSTRIAL CLASSES, SOUTH AUSTRALIA, 1961-62

Industrial Class	Number of Establishments	Employment (a)		Value of -						
		Males	Females	Salaries and Wages Paid (b)	Power, Fuel, etc. Used	Other Costs of Production (c)	Production	Output	Land and Buildings	Plant and Machinery
	Number						£'000			
Treatment of non-metal mine products	185	2,054	119	2,332	994	6,647	6,099	13,739	3,263	7,915
Bricks, pottery, glass, etc.	76	1,954	170	2,317	671	2,574	4,134	7,380	1,769	1,501
Chemicals, dyes, paints, etc.	95	2,489	453	3,274	801	11,144	8,982	20,927	4,229	8,810
Metals, machines, conveyances -										
Plant, equipment, and machinery	252	8,539	1,615	10,275	642	20,658	16,115	37,416	6,702	5,229
Electrical engineering etc. (inc. wireless etc.)	169	2,812	1,371	4,061	141	6,531	6,153	12,824	3,224	1,606
Other engineering	223	4,477	244	4,908	122	5,499	7,030	12,652	3,578	3,882
Construction & repair of vehicles -										
Tramcars and railway rolling-stock	13	3,809	62	3,872	123	2,999	4,719	7,841	1,789	2,424
Motor vehicle repairs	1,162	5,520	621	4,774	154	5,802	7,588	13,545	7,345	1,587
Motor bodies	263	9,968	485	13,335	582	23,283	16,639	40,503	8,032	9,988
Other (inc. ships and boats)	128	3,128	275	4,462	137	4,551	6,710	11,397	2,170	1,710
Sheet metal working etc.	120	2,356	479	2,730	156	5,894	4,618	10,667	2,536	1,298
Pipes, tubes, etc. (ferrous)	9	1,971	180	2,621	276	5,131	4,688	10,096	1,797	1,940
Total metals, machines, etc.	2,545	49,354	5,891	58,566	5,510	100,754	91,329	197,594	44,092	46,317
Textiles etc. (not dress)	59	1,245	1,275	2,201	222	5,133	3,988	9,343	1,804	1,989
Skins and leather	41	982	151	1,154	141	5,460	1,522	7,123	692	395
Clothing (except knitted)	591	1,816	3,207	3,225	154	3,763	5,291	9,208	3,411	1,299
Food, drink, and tobacco	756	7,984	3,378	10,302	1,459	47,736	21,087	70,282	14,680	11,486
Sawmills, joinery, etc.	406	4,882	374	4,767	357	12,584	8,600	21,541	4,224	4,503
Furniture of wood, bedding, etc.	220	1,632	437	1,670	46	3,429	3,085	6,560	1,616	520
Paper, stationery, printing, etc.	190	3,558	1,140	4,919	492	7,462	8,867	16,821	5,547	6,845
Rubber	62	901	173	1,258	154	1,858	2,542	4,554	1,321	695
Heat, light, and power	37	1,862	28	2,307	4,228	2,269	6,002	12,498	10,232	33,513
Other	256	1,090	495	1,239	94	1,748	2,386	4,227	1,417	715
Total	5,519	81,803	17,291	99,531	15,323	212,561	173,914	401,797	98,297	126,503

(a) Average employment over whole year, including working proprietors.

(b) Excludes drawings of working proprietors.

(c) Materials used, containers, tools replaced, and repairs to plant and buildings.

TABLE 2 - FACTORY OPERATIONS, SOUTH AUSTRALIA

Particulars	1957-58	1958-59	1959-60	1960-61	1961-62
Number of establishments	4,168	4,235	4,684	5,042	5,519
Employment (a) -					
Males	75,909	77,427	81,312	81,898	81,803
Females	16,563	16,738	17,706	18,057	17,291
Salaries and wages paid (£'000) (b) -					
Males	71,152	74,268	85,333	88,622	89,385
Females	8,692	8,877	9,905	10,360	10,146
Salaries etc. per employee (£) (b) -					
Male	970	992	1,088	1,125	1,093
Female	536	543	576	592	587
Value of (£'000) -					
Power, fuel, light, etc. used	14,934	14,590	15,093	15,184	15,323
Other costs of production (c)	183,880	188,358	207,636	216,382	212,561
Production	133,285	139,810	162,974	170,062	173,914
Output	332,098	342,757	385,702	401,628	401,797
Land and buildings	61,084	66,278	77,632	87,729	98,297
Plant and machinery	79,336	84,749	98,241	113,100	126,503

- (a) Average employment over whole year, including working proprietors.
(b) Excludes drawings of working proprietors.
(c) Materials used, containers, tools replaced, and repairs to plant & buildings.

SIZE OF
FACTORIES

Table No. 3 shows factories classified by the average number of persons employed. In each of the past three years the coverage of the collection has been improved by the inclusion of a number of small firms which are not liable to register as factories but which conform to the definition shown on page 1 of this bulletin.

TABLE 3 - CLASSIFICATION OF FACTORIES BY NUMBER OF PERSONS EMPLOYED, SOUTH AUSTRALIA

Number of Employees	1957-58	1958-59	1959-60	1960-61	1961-62
Under 4	1,460	1,443	1,837	2,125	2,543
From 4 to 10	1,460	1,534	1,548	1,612	1,641
From 11 to 20	597	582	592	587	589
From 21 to 50	370	390	415	419	434
From 51 to 100	151	155	154	159	169
Over 100	130	131	138	140	143
Total	4,168	4,235	4,684	5,042	5,519

CAPACITY
OF ENGINES

For 1961-62 the capacity of steam engines was 86,000 h.p. greater than for the previous year, the increase being mainly additional steam turbines installed in electricity generating stations. The rated capacity of electric motors used in factories increased by 39,000 h.p., the largest increases being in the Metals and machines class (9,000) and in the Heat, light and power class (8,000).

TABLE 4 - CAPACITY OF ENGINES IN FACTORIES, SOUTH AUSTRALIA

Type of Engine	1957-58	1958-59	1959-60	1960-61	1961-62
	Horse-power				
Steam	548,904	555,471	634,638	739,827	826,422
Electric	434,590	450,241	478,522	532,438	572,024
Oil	43,771	43,521	43,241	45,806	41,692
Gas	1,208	1,067	1,037	977	946
Other	10	10	10	10	10

EMPLOYMENT

Average employment over the whole year was somewhat lower than for the previous year but the number of persons employed at 30th June 1962 was 7,307 more than at 30th June 1961. The downward trend in employment each month which occurred in the second half of 1960-61 was reversed in July 1961, employment in June 1962 reaching 102,325.

TABLE 5 - EMPLOYMENT IN FACTORIES AT 30TH JUNE, SOUTH AUSTRALIA

Particulars	1957-58	1958-59	1959-60	1960-61	1961-62
Working proprietors -					
Males	2,580	2,581	2,896	3,138	3,417
Females	361	405	498	562	665
Wage and salary earners -					
Under 16 yrs - Males	873	860	883	878	953
Females	796	829	883	804	993
16 - 20 yrs - Males	6,140	6,374	7,106	7,214	7,898
Females	3,388	3,560	3,839	3,634	4,237
21 yrs and over - Males	66,013	68,524	71,567	67,536	72,124
Females	11,777	11,987	12,935	11,252	12,038
Total	91,928	95,120	100,607	95,018	102,325

POWER, FUEL, MATERIALS, ETC. USED

Generally the power, fuel, materials, etc. used in factories increased slightly. The quantity of Leigh Creek coal consumed, almost all of which is used for the generation of electricity, increased by 305,293 tons from 958,709 tons in 1960-61 to 1,264,002 tons in 1961-62. The quantity of other coal used fell by 154,704 tons to 417,790 tons.

TABLE 6 - POWER, FUEL, ETC. USED IN FACTORIES - SOUTH AUSTRALIA

Particulars	Unit	1957-58	1958-59	1959-60	1960-61	1961-62
Coal (a) - Leigh Creek	ton	671,673	650,690	676,719	958,709	1,264,002
Other	ton	685,716	628,475	738,026	572,494	417,790
Coke	ton	391,912	359,366	323,723	339,544	342,426
Wood	ton	199,279	198,374	215,327	229,477	224,771
Fuel oils (inc. tar fuel) (a)	ton	152,351	170,582	199,934	215,966	256,134
Gas	£'000	221	228	263	260	262
Electricity	£'000	3,345	3,713	4,062	4,330	4,375
Lubricating oils and water	£'000	615	634	728	791	789

(a) Includes quantities classified as materials used.

TABLE 7 - OTHER COSTS OF PRODUCTION IN FACTORIES, SOUTH AUSTRALIA

Particulars	1957-58	1958-59	1959-60	1960-61	1961-62
	£'000				
Materials used	168,986	173,628	191,852	200,139	195,335
Containers	8,318	8,192	8,630	9,135	9,994
Tools replaced and repairs to plant and buildings	6,576	6,538	7,154	7,108	7,232
Total	183,880	188,358	207,636	216,382	212,561

VALUE OF
PRODUCTION

The value of factory production at £173,914,000 was £3,852,000 higher than for 1960-61, an increase of 2.3 per cent compared with increases of 4.3 per cent in 1960-61, 16.6 per cent in 1959-60, and 4.9 per cent in 1958-59.

TABLE 8 - VALUE OF FACTORY PRODUCTION, SOUTH AUSTRALIA

Industrial Class	1957-58	1958-59	1959-60	1960-61	1961-62
	£'000				
Treatment of non-metal mine products	4,076	4,711	5,057	5,848	6,099
Bricks, pottery, glass, etc.	3,316	3,858	4,437	4,577	4,134
Chemicals, dyes, paints, etc.	8,650	8,771	8,958	8,992	8,982
Metals, machines, conveyances -					
Plant, equipment, and machinery	11,556	12,467	15,587	15,379	16,115
Electrical engineering etc. (a)	4,561	5,755	6,870	7,452	6,153
Other engineering	4,635	4,849	5,824	5,931	7,030
Construction & repair of vehicles -					
Tram cars and railway rolling-stock	4,603	4,463	4,570	4,654	4,719
Motor vehicle repairs	5,112	5,329	5,947	6,819	7,588
Motor bodies	13,318	14,693	18,139	18,239	16,639
Other (inc. ships and boats)	4,321	4,826	6,112	6,876	6,710
Sheet metal working etc.	4,385	4,370	5,045	4,941	4,618
Pipes, tubes, etc. (ferrous)	3,767	3,946	5,587	5,405	4,688
Total metals, machines, etc.	68,604	71,524	87,945	92,014	91,329
Textiles etc. (not dress)	3,618	3,682	3,756	3,861	3,988
Skins and leather	1,435	1,733	1,619	1,420	1,522
Clothing (except knitted)	4,584	4,744	5,066	5,290	5,291
Food, drink, and tobacco	15,588	16,013	17,921	18,081	21,087
Sawmills, joinery, etc.	6,529	7,057	7,977	7,720	8,600
Furniture of wood, bedding, etc.	2,475	2,508	2,884	3,029	3,085
Paper, stationery, printing, etc.	6,624	6,925	7,861	8,633	8,867
Rubber	1,996	2,157	2,547	2,741	2,542
Heat, light, and power	4,082	4,313	4,915	5,813	6,002
Other	1,708	1,814	2,031	2,007	2,386
Total	133,285	139,810	162,974	170,062	173,914

(a) Includes wireless etc.

D.L.J. AITCHISON

DEPUTY COMMONWEALTH STATISTICIAN

Commonwealth Bureau of Census & Statistics,
ADELAIDE. S.A.
22nd March 1963.

425,000 billion
with interest
of 4.5 per cent

Interest on bonds of 4.5 per cent
of 4.5 per cent

REVENUE

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